February 6, 1975
Formula V-973
NEW

PLAINTIFF'S EXHIBIT
GP-1239

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX TAPING COMPOUND V-973

DESCRIPTION OF PRODUCT - Buff ready mix taping compound used for taping joints.

FORMULA

| Raw Material | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|
| Water** | Solvent | -- | -- | 1120.00 (135 gals.) |
| Elvace 1875 | Adhesive | 185 | 2.00 | 40.00 (4.5 gals.) |
| Nalco | Antiformaing agent | 125 | .10 | 2.00 |
| Celvatol 3000 | Adhesive | 162 | 1.50 | 30.00 |
| [illegible] | [illegible]lking agent | 9 | 7.00 | 140.00 |
| [illegible] | Preservative | 193 | .10 | 2.00 |
| Methocel 90HG | Water retention agent | 170 | .60 | 12.00 |
| Mica | Anti-cracking agent | 11 | 3.75 | 75.00 |
| Limestone | Filler | 13 | 84.85 | 1690.00 |
| Yellow Iron Oxide | Pigment | -- | .10 | 2.00 |
| | | | 100.00 | 3113.00*** |

**Approximately 56.5 lbs./100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

***One batch yields 50 ± 1 five-gallon pail ready mix joint compound at 62 lbs./pail.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications for paste: If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: 520 ± 20

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Compound shall be plastic, buttery working, and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall show at least 100% fiber tear when delaminated.

CRACK RESISTANCE - Refer to Plant Testing Procedure No. 37.
Specifications: Ratings shall be 4 or better.

COLOR - Yellow
Specifications: Dried compound shall match color of standard sample.

WNG:elz

May 27, 1975
Supersedes V-973
Dated 2/6/75

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX TAPING COMPOUND V-973

DESCRIPTION OF PRODUCT - Buff ready mix taping compound used for taping joints.

-/ FORMULA

| Raw Material | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|
| Water** | Solvent | -- | -- | 1120.00 (135 gals.) |
| Elvace 1875 | Adhesive | 185 | 2.00 | 40.00 (4.5 gals.) |
| Nalco | Antiformaing agent | 125 | .10 | 2.00 |
| Gelvatol 3000 | Adhesive | 162 | 1.50 | 30.00 |
| * Asbestos 7RF9 | Bulking agent | 9 | 7.00 | 140.00 |
| Troysan | Preservative | 193 | .10 | 2.00 |
| -/ Natrosol 250 HXR | Water retention agent | 170 | .60 | 12.00 |
| Mica | Anti-cracking agent | 11 | 3.75 | 75.00 |
| Limestone | Filler | 13 | 84.85 | 1690.00 |
| Yellow Iron Oxide | Pigment | -- | .10 | 2.00 |
| | | | 100.00 | 3113.00*** |

-/ *Asbestos 7RF-02 may be substituted. Use at a loading of 4.5% (90 lbs./batch).

**Approximately 56.5 lbs./100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

***One batch yields 50 ± 1 five-gallon pail ready mix joint compound at 62 lbs./pail.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications for paste: If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: 520 ± 20

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Compound shall be plastic, buttery working, and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall show at least 100% fiber tear when delaminated.

CRACK RESISTANCE - Refer to Plant Testing Procedure No. 37.
Specifications: Ratings shall be 4 or better.

COLOR - Yellow
Specifications: Dried compound shall match color of standard sample.

WNG:elz

MILFORD FORMULA # 973
ASBESTOS CONTAINING PRODUCTS

February 6, 1975
Formula V-973
NEW

# MILFORD, VIRGINIA, PLANT FORMULA
## READY MIX TAPING COMPOUND V-973

DESCRIPTION OF PRODUCT - Buff ready mix taping compound used for taping joints.

FORMULA

| Raw Material | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|
| Water** | Solvent | -- | -- | 1120.00 (135 gals.) |
| Elvace 1875 | Adhesive | 185 | 2.00 | 40.00 (4.5 gals.) |
| Nalco | Antiformaing agent | 125 | .10 | 2.00 |
| Gelvatol 3000 | Adhesive | 162 | 1.50 | 30.00 |
| [illegible] | [illegible]lking agent | 9 | 7.00 | 140.00 |
| [illegible] | Preservative | 193 | .10 | 2.00 |
| Methocel 90HG | Water retention agent | 170 | .60 | 12.00 |
| Mica | Anti-cracking agent | 11 | 3.75 | 75.00 |
| Limestone | Filler | 13 | 84.85 | 1690.00 |
| Yellow Iron Oxide | Pigment | -- | .10 | 2.00 |
| | | | 100.00 | 3113.00*** |

**Approximately 56.5 lbs./100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

***One batch yields 50 ± 1 five-gallon pail ready mix joint compound at 62 lbs./pail.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications for paste: If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: 520 ± 20

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Compound shall be plastic, buttery working, and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall show at least 100% fiber tear when delaminated.

CRACK RESISTANCE - Refer to Plant Testing Procedure No. 37.
Specifications: Ratings shall be 4 or better.

COLOR - Yellow
Specifications: Dried compound shall match color of standard sample.

WNG:elz

May 27, 1975
Supersedes V-973
Dated 2/6/75

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX TAPING COMPOUND V-973

DESCRIPTION OF PRODUCT - Buff ready mix taping compound used for taping joints.

-/ FORMULA

| | Raw Material | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|---|
| | Water** | Solvent | -- | -- | 1120.00 (135 gals.) |
| | Elvace 1875 | Adhesive | 185 | 2.00 | 40.00 (4.5 gals.) |
| | Nalco | Antiformaing agent | 125 | .10 | 2.00 |
| | Gelvatol 3000 | Adhesive | 162 | 1.50 | 30.00 |
| * | Asbestos 7RF9 | Bulking agent | 9 | 7.00 | 140.00 |
| | Troysan | Preservative | 193 | .10 | 2.00 |
| -/ | Natrosol 250 HXR | Water retention agent | 170 | .60 | 12.00 |
| | Mica | Anti-cracking agent | 11 | 3.75 | 75.00 |
| | Limestone | Filler | 13 | 84.85 | 1690.00 |
| | Yellow Iron Oxide | Pigment | -- | .10 | 2.00 |
| | | | | 100.00 | 3113.00*** |

-/ *Asbestos 7RF-02 may be substituted. Use at a loading of 4.5% (90 lbs./batch).

**Approximately 56.5 lbs./100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

***One batch yields 50 ± 1 five-gallon pail ready mix joint compound at 62 lbs./pail.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications for paste: If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: 520 ± 20

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Compound shall be plastic, buttery working, and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall show at least 100% fiber tear when delaminated.

CRACK RESISTANCE - Refer to Plant Testing Procedure No. 37.
Specifications: Ratings shall be 4 or better.

COLOR - Yellow
Specifications: Dried compound shall match color of standard sample.

WNG:elz

N E W
Formula V-973
July 30, 1979

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-973 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing. For 1-gallon shipments only.

FORMULA

| Raw Material | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|
| Pyrophylite-SK | Bulking Agent | - | 7.20 | 150.00 |
| Limestone | Filler | 13 | 82.63 | 722.00 |
| Methocel 240 | Water Retention | 163 | .34 | 7.00 |
| PMA-30 | Preservative | - | .04 | .91 |
| Aqua-Fil K-8 | Bulking Agent | - | 3.41 | 71.00 |
| C-9-136 Starch | Adhesive | 23 | .86 | 18.00 |
| DuPont JCM | Adhesive | 185 | 5.52 | 115.00 (13.0 gal) |
| Water * | Solvent | - | - | 1000.00 (120 gal) |
| | | | 100.00 | 3083.91 ** |

*Approximately 52 lbs/100 lbs. of active ingredients (This may vary ± 8 gallons per batch).

**One batch yields 49 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order.

1) Water/PMA-30
2) JCM
3) Filler
4) Mix until Ready Mix is smooth - pumping viscosity should be 520 ± 20.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications for Paste

If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender (520 ± 20) For machine tools, add 4 gallons $H_2O$ (470 ± 20)

pH Minimum - 8.0 Maximum - 9.0 (24 hrs.)

Continued on Page 2 . . . .

| | |
|---|---|
| WORKING PROPERTIES | - Refer to Plant Testing Procedure No. 33. |
| Specifications | Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Materials shall be free from lumps due to incomplete mixing. |
| BONDING PROPERTIES | - Refer to Plant Testing Procedure No. 35. |
| Specifications | After compound has dried, tape shall show at least 90% fiber tear when delaminated. |
| CRACK RESISTANCE | - Refer to Plant Testing Procedure No. 37. |
| Specifications | Rating shall be 4 or better. |
| COLOR | - White |
| Specifications | Dried compound shall match color of standard sample. |

HCF:ps

October 30, 1979
Supersedes Formula V-973
Dated: July 30, 1979

# MILFORD, VIRGINIA, PLANT FORMULA
## READY MIX JOINT COMPOUND V-973 (HAND TOOLS)

-/ DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing.

FORMULA

| | Raw Material | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|---|
| -/ | Pyrophylite-SK | Bulking Agent | 1 | 7.20 | 150.00 |
| | Limestone | Filler | 13 | 82.63 | 1722.00 |
| | Methocel 240 | Water Retention | 163 | .34 | 7.00 |
| | PMA-30 | Preservative | - | .04 | .91 |
| -/ | Aqua-Fil K-8 | Bulking Agent | 229 | 3.41 | 71.00 |
| -/ | C-9-136 Starch | Adhesive | 10 | .86 | 18.00 |
| | DuPont JCM | Adhesive | 185 | 5.52 | 115.00 (13.0 gal) |
| | Water * | Solvent | - | - | 1000.00 (120 gal) |
| | | | | 100.00 | 3083.91 ** |

*Approximately 52 lbs/100 lbs. of active ingredients (This may vary ± 8 gallons per batch).

**One batch yields 49 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:

1) Water/PMA-30
2) JCM
3) Filler
4) Mix until Ready Mix is smooth - pumping viscosity should be 520 ± 20.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications for Paste

If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender (520 ± 20)

For machine tools, add 4 gallons $H_2O$ (470 ± 20)

pH

Minimum - 8.0 Maximum - 9.0 (24 hrs.)

Continued on Page 2 . . . .

September 23, 1980
Supersedes Formula V-973
Dated: 10/30/79

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-973 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing.

FORMULA

| Raw Material | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|
| Pyrophylite-SK | Bulking Agent | 1 | 7.19 | 150.00 |
| Limestone | Filler | 13 | 82.61 | 1722.00 |
| Methocel 240 | Water Retention | 163 | .34 | 7.00 |
| -/ Proxel CRL | Preservative | - | .07 | 1.52 |
| Aqua-Fil K-8 | Bulking Agent | 229 | 3.41 | 71.00 |
| C-9-136 Starch | Adhesive | 10 | .86 | 18.00 |
| DuPont JCM | Adhesive | 185 | 5.52 | 115.00 (13.0 gal |
| Water * | Solvent | - | - | 998.48 (120 gal) |
| | | | 100.00 | 3083.00 ** |

*Approximately 52 lbs/100 lbs. of active ingredients (This may vary ± 8 gallons per batch).

**One batch yields 49 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:

1) Water/PMA-30
2) JCM
3) Filler
4) Mix until Ready Mix is smooth - pumping viscosity should be 520 ± 20.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications for Paste

If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender (520 ± 20) For machine tools, add 4 gallons $H_2O$ (470 ± 20)

pH Minimum - 8.0 Maximum - 9.0 (24 hrs.)

-/ denotes change

Continued on Page 2 . . . .

September 24, 1980
Supersedes Formula V-973
Dated: 9/23/80

# MILFORD, VIRGINIA, PLANT FORMULA
## READY MIX JOINT COMPOUND V-973 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing.

FORMULA

| Raw Material | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|
| Pyrophylite-SK | Bulking Agent | 1 | 7.19 | 150.00 |
| Limestone | Filler | 13 | 82.58 | 1722.00 |
| Methocel 240 | Water Retention | 163 | .34 | 7.00 |
| -/ Proxel CRL | Preservative | - | .11 | 2.31 |
| Aqua-Fil K-8 | Bulking Agent | 229 | 3.41 | 71.00 |
| C-9-136 Starch | Adhesive | 10 | .86 | 18.00 |
| DuPont JCM | Adhesive | 185 | 5.51 | 115.00 |
| Water * | Solvent | - | - | 997.69 (13.0 gal) (120 gal) |
| | | | 100.00 | 3083.00 ** |

*Approximately 52 lbs/100 lbs. of active ingredients (This may vary ± 8 gallons per batch).

**One batch yields 49 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:

1) Water/PMA-30
2) JCM
3) Filler
4) Mix until Ready Mix is smooth - pumping viscosity should be 520 ± 20.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications for Paste

If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender (520 ± 20)

For machine tools, add 4 gallons $H_2O$ (470 ± 20)

pH

Minimum - 8.0 Maximum - 9.0 (24 hrs.)

Continued on Page 2 . . . .

-/ denotes change

BGR:ps

October 6, 1980
Supersedes Formula V-973
Dated: 9/24/80

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-973 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing.

FORMULA

| | Raw Material | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|---|
| | Pyrophylite-SK | Bulking Agent | 1 | 7.24 | 150.00 |
| | Limestone | Filler | 13 | 83.08 | 1722.00 |
| | Methocel 240 | Water Retention | 163 | .34 | 7.00 |
| | Proxel CRL | Preservative | - | .11 | 2.31 |
| | Aqua-Fil K-8 | Bulking Agent | 229 | 3.43 | 71.00 |
| | C-9-136 Starch | Adhesive | 10 | .86 | 18.00 |
| -/ | DuPont JCM | Adhesive | 185 | 4.94 | 102.35 (11.5 gal) |
| | Water * | Solvent | - | - | 1010.34 (121 gal) |
| | | | | 100.00 | 3083.00 ** |

*Approximately 52 lbs/100 lbs. of active ingredients (This may vary ± 8 gallons per batch).

**One batch yields 49 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:

1) Water/PMA-30
2) JCM
3) Filler
4) Mix until Ready Mix is smooth - pumping viscosity should be 520 ± 20.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications for Paste

If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender (520 ± 20) For machine tools, add 4 gallons $H_2O$ (470 ± 20)

pH Minimum - 8.0 Maximum - 9.0 (24 hrs.)

Continued on Page 2 . . . .

-/ denotes change

BGR:ps

April 20, 1981
Supersedes Formula V-973
Dated: 10/6/80

# MILFORD, VIRGINIA, PLANT FORMULA
## READY MIX JOINT COMPOUND V-973 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing.

FORMULA

| | Raw Material | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|---|
| | Pyrophylite-SK | Bulking Agent | 1 | 7.24 | 150.00 |
| -/ | Limestone | Filler | 13 | 83.09 | 1722.00 |
| | Methocel 240 | Water Retention | 163 | .34 | 7.00 |
| -/ | Proxel CRL | Preservative | - | .09 | 1.90 |
| | Aqua-Fil K-8 | Bulking Agent | 229 | 3.43 | 71.00 |
| -/ | C-9-136 Starch | Adhesive | 10 | .87 | 18.00 |
| | DuPont JCM | Adhesive | 185 | 4.94 | 102.35 (11.5 gal) |
| -/ | Water * | Solvent | - | - | 1010.75 (121 gal) |
| | | | | 100.00 | 3083.00 ** |

-/ *Approximately 48 lbs/100 lbs. of active ingredients (This may vary ± 8 gallons per batch).

**One batch yields 49 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:

1) Water/PMA-30
2) JCM
3) Filler
-/4) Mix until Ready Mix is smooth - pumping viscosity should be 550 ± 20.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications for Paste

If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

-/ Brabender (550 ± 20) For machine tools, add 4 gallons $H_2O$ (420 ± 20)

pH Minimum - 8.0 Maximum - 9.0 (24 hrs.)

Continued on Page 2 . . . .

-/ denotes change

BGR:ps

December 17, 1979
Supersedes Formula C-972
Dated: 7/30/79

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-972 (HAND TOOLS)

-/ DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing.

FORMULA

| Raw Material | Function | RM Spec | Percent | Lbs/Batch | |
|---|---|---|---|---|---|
| -/ ~~PMA-30~~ PROXCEL CRL | Preservative | | .08 | 1.6 | |
| -/ Filler C-971 | Filler | | 94.85 | 1950.4 | |
| -/ DuPont JCM | Adhesive | 185 | 4.98 | 102.4 | (11.5 gal) |
| -/ Nalco 71D-5 | Defoamer | 125 | .09 | 2.0 | |
| -/ * Water | Solvent | | | 981.6 | (118.0 gal) |
| | | | 100.000 | 3038.0 | ** |

* Approximately 52 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

** One batch yields 49 ± 1 five-gallon pail Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:
1) Water/~~PMA-30~~ PROXCEL CRL
2) JCM
3) Nalco
4) Filler C-971
5) Mix until Ready Mix is smooth - pumping viscosity should be 550 ± 20.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications for Paste: If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender (550 ± 20): For machine tools, add 7 gallons $H_2O$ (450 ± 20)

pH: 8.0 - 9.0

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.

Specifications: Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

HCF:ps

Continued on Page 2 . . . .

-/ denotes change

CLOSED 11-19-80

GEORGIA-PACIFIC CORPORATION

GYPSUM DIVISION
TIGARD, OREGON

11/6/80

TO:

~~Mr. M. A. Palmowski - Chicago~~
Mr. E. L. Aasen - Portland
~~Mr. D. C. Corkill - Portland~~
Mr. J. M. Herndon - Portland
~~Mr. C. W. Lehnert - Tigard~~

Tigard Lab

Enclosed please find the following CHICAGO, ILLINOIS
Plant Formulas:

| | | |
|---|---|---|
| C-970 | READY MIX TOPPING COMPOUND | Revised |
| C-972 | READY MIX JOINT COMPOUND | Revised ✓ |

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB (Plant Formula)

| | | |
|---|---|---|
| C-970 | Ready Mix Topping Compound | Revised |
| C-972 | Ready Mix Joint Compound | Revised |

Signed: Burr Randall Plant: _____ Date: _____

BGR:ps
11/6/80

SGP 0017547

August 15, 1980
Supersedes Formula C-972
Dated: 5/21/80

# CHICAGO, ILLINOIS, PLANT FORMULA
## READY MIX JOINT COMPOUND C-972 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing.

FORMULA

| | Raw Material | Function | RM Spec | Percent | Lbs/Batch | |
|---|---|---|---|---|---|---|
| -/ | Proxcel-CRL | Preservative | | ~~.08~~ | 2.35 | |
| | Filler C-971 | Filler | | ~~94.85~~ | 1950.4 | |
| | DuPont JCM | Adhesive | 185 | 4.98 | 102.4 | (11.5 gal) |
| -/ | MD-76 | Defoamer | 125 | ~~.09~~ | 0.5 | (1/2 pint) |
| | * Water | Solvent | | | ~~981.6~~ | (118.0 gal) |
| | | | | 100.000 | 3038.0 | ** |

* Approximately 52 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

** One batch yields 49 ± 1 five-gallon pail Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:
1) Water/Proxcel CRL
2) JCM
3) Nalco
4) Filler C-971
5) Mix until Ready Mix is smooth - pumping viscosity should be 550 ± 20.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications for Paste: If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender (550 ± 20): For machine tools, add 7 gallons $H_2O$ (450 ± 20)

pH: 8.0 - 9.0

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.

Specifications: Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BGR:ps

Continued on Page 2 . . . .

-/ denotes change

N E W
Formula C-972
July 30, 1979

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-972 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing for 1-gallon shipments only.

FORMULA

| Raw Material | Function | RM Spec | Percent | Lbs/Batch | |
|---|---|---|---|---|---|
| PMA 30 | Preservative | | .077 | 1.6 | |
| Filler C-971 | Filler | | 94.275 | 1950.4 | |
| DuPont JCM | Adhesive | 185 | 5.548 | 115.0 | (12.9 gal) |
| Nalco 71D-5 | Defoamer | 125 | .100 | 2.0 | |
| * Water | Solvent | | | 969.0 | (116 gal) |
| | | | 100.000 | 3038.0 | ** |

* Approximately 52 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

** One batch yields 49 ± 1 five-gallon pail Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:
1) Water/PMA-30
2) JCM
3) Nalco
4) Filler C-971
5) Mix until Ready Mix is smooth - pumping viscosity should be 550 ± 20.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications for Paste: If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender (550 ± 20): For machine tools, add 7 gallons $H_2O$ (450 ± 20)

pH: 8.0 - 9.0

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.

Specifications: Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

HCF:ps

Continued on Page 2 . . . .

| | |
|---|---|
| BONDING PROPERTIES | - Refer to Plant Testing Procedure No. 35. |
| Specifications | After compound has dried, tape shall show at least 90% fiber tear when delaminated. |
| CRACK RESISTANCE | - Refer to Plant Testing Procedure No. 37. |
| Specifications | Rating shall be 4 or better. |
| COLOR | - White |
| Specifications | Dried compound shall match color of standard sample. |

HCF:ps

December 17, 1979
Supersedes Formula C-972
Dated: 7/30/79

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-972 (HAND TOOLS)

-/ DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing.

FORMULA

| Raw Material | Function | RM Spec | Percent | Lbs/Batch | |
|---|---|---|---|---|---|
| -/ PMA 30 | Preservative | | .08 | 1.6 | |
| -/ Filler C-971 | Filler | | 94.85 | 1950.4 | |
| -/ DuPont JCM | Adhesive | 185 | 4.98 | 102.4 | (11.5 gal) |
| -/ Nalco 71D-5 | Defoamer | 125 | .09 | 2.0 | |
| -/ * Water | Solvent | | | 981.6 | (118.0 gal) |
| | | | 100.000 | 3038.0 | ** |

* Approximately 52 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

** One batch yields 49 ± 1 five-gallon pail Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:
1) Water/PMA-30
2) JCM
3) Nalco
4) Filler C-971
5) Mix until Ready Mix is smooth - pumping viscosity should be 550 ± 20.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications for Paste: If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender (550 ± 20): For machine tools, add 7 gallons $H_2O$ (450 ± 20)

pH: 8.0 - 9.0

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.

Specifications: Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

HCF:ps

Continued on Page 2 . . . .

| | |
|---|---|
| BONDING PROPERTIES | - Refer to Plant Testing Procedure No. 35. |
| Specifications | After compound has dried, tape shall show at least 90% fiber tear when delaminated. |
| CRACK RESISTANCE | - Refer to Plant Testing Procedure No. 37. |
| Specifications | Rating shall be 4 or better. |
| COLOR | - White |
| Specifications | Dried compound shall match color of standard sample. |

HCF:ps

February 12, 1974
New Formula C-972

# CHICAGO, ILLINOIS PLANT FORMULA
# READY MIX FILLER C-972 (FILLER "X")

DESCRIPTION OF PRODUCT - Filler for Ready Mix joint compound C-979 and C-977.

| FORMULA | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|
| Asbestos 7RF09 | Bulking Agent | 9 | 5.00 | 200.00 |
| Dowicil 75 | Fungicide | 193 | .20 | 8.00 |
| Gelvatol 3000 | Adhesive | 162 | .50 | 20.00 |
| Gendrive 492S | Water retention aid | 170 or 223 | .60 | 24.00 |
| Mica | Anti-cradking agent | 11 | 7.00 | 280.00 |
| Asbestos (SG-210) | Bulking agent | -- | 1.00 | 40.00 |
| Limestone | Filler | 13 | 85.70 | 3428.00 |
| | | | 100.00 | 4000.00 |

WORKING CONSISTENCY Specifications: - Refer to Plant Testing Procedure No. 32.

| Maximum | Minimum | Average |
|---|---|---|
| 57 | 53 | 55 |

WORKING PROPERTIES Specifications: - Refer to Plant Testing Procedure No. 33. Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR Specifications: - White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

WNG:jg

May 20, 1974
Formula C-972
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-972 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and spotting nailheads. To be supplied on special request only.

FORMULA

| Raw Materials | Function | Percent | Lbs/Batch |
|---|---|---|---|
| *Water | Solvent | -- | 1104.00 (133 gals)* |
| Nalco | Antifoaming agent | 0.1 | 2.00 |
| **Polyvinyl Acetate Emulsion (preplasticized) | Adhesive | 6.4 | 133.00 (14.7 gals) |
| Filler C-973 | Filler | 93.5 | 1950.00 |
| | | 100.0 | 3189.00 |

*Approximately 54.4 lbs/100 lbs. of active ingredients (this may vary ± 8 gals. per batch). Add 115 gals. water, mix for 5 mins. then add remaining water.

One batch yields 49 ± one 5-gallon pail Ready Mix Joint Compound at 62 lbs/pail.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications for Paste: If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: 580 ± 20 For machine tools add 10 gals. water (400 ± 20)

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall show at least 75% fiber tear when delaminated.

CRACK RESISTANCE - Refer to Plant Testing Procedure No. 37.
Specifications: There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR - White
Specifications: Dried compound shall match color of standard sample.

**Elvace: 5% - 109 lbs/batch

WNG:elz

December 30, 1974
Formula C-972
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-972 (FILLER "X")

DESCRIPTION OF PRODUCT - Experimental filler for Ready Mix joint compound C-979 and C-977.

| FORMULA | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|
| Asbestos 7RF09 | Bulking Agent | 9 | 4.25 | 170.00 |
| Dowicil 75 | Fungicide | 193 | .20 | 8.00 |
| Gelvatol 3000 | Adhesive | 162 | .40 | 16.00 |
| Gendriv 492S | Water retention aid | 223 | .75 | 30.00 |
| Mica | Anti-cracking agent | 11 | 9.50 | 380.00 |
| Asbestos (SG-210) | Bulking agent | -- | 1.25 | 50.00 |
| Limestone | Filler | 13 | 83.65 | 3346.00 |
| | | | 100.00 | 4000.00 |

WORKING CONSISTENCY Specifications - Refer to Plant Testing Procedure No. 32.

| Maximum | Minimum | Average |
|---|---|---|
| 57 | 53 | 55 |

WORKING PROPERTIES Specifications - Refer to Plant Testing Procedure No. 33. Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR Specifications - White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

WNG:elz

December 30, 1974
Formula C-972
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-972 (FILLER "X")

DESCRIPTION OF PRODUCT - Experimental filler for Ready Mix joint compound C-979 and C-977.

| FORMULA | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|
| Asbestos 7RF09 | Bulking Agent | 9 | 4.25 | 170.00 |
| Dowicil 75 | Fungicide | 193 | .20 | 8.00 |
| Gelvatol 3000 | Adhesive | 162 | .40 | 16.00 |
| Gendriv 492S | Water retention aid | 223 | .75 | 30.00 |
| Mica | Anti-cracking agent | 11 | 9.50 | 380.00 |
| Asbestos (SG-210) | Bulking agent | -- | 1.25 | 50.00 |
| Limestone | Filler | 13 | 83.65 | 3346.00 |
| | | | 100.00 | 4000.00 |

WORKING CONSISTENCY Specifications - Refer to Plant Testing Procedure No. 32.

| Maximum | Minimum | Average |
|---|---|---|
| 57 | 53 | 55 |

WORKING PROPERTIES Specifications - Refer to Plant Testing Procedure No. 33. Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR Specifications - White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

WNG:elz

March 7, 1975
Formula C-972
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-972

DESCRIPTION OF PRODUCT - Filler for Ready Mix taping compound C-979.

| FORMULA | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|
| Asbestos 7RF09 | Bulking agent | 9 | 4.25 | 170.00 |
| Dowicil 75 | Fungicide | 193 | .20 | 8.00 |
| Gelvatol 6000 | Adhesive | 162 | 1.00 | 40.00 |
| Gendriv 492S | Water retention aid | 223 | .85 | 34.00 |
| Mica | Anti-cracking agent | 11 | 9.50 | 380.00 |
| Limestone | Filler | 13 | 84.20 | 3368.00 |
| | | | 100.00 | 4000.00 |

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

| Specifications | Maximum | Minimum | Average |
|---|---|---|---|
| | 57 | 53 | 55 |

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33
Specifications: Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR - White
Specifications: Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

WNG:elz

March 7, 1975
Supersedes Formula C-972
NEW DATED 2/7/75

# CHICAGO, ILLINOIS, PLANT FORMULA
# READY MIX FILLER C-972

DESCRIPTION OF PRODUCT - Filler for Ready Mix taping compound C-979.

| FORMULA | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|
| * Asbestos 7RF09 | Bulking agent | 9 | 4.25 | 170.00 |
| Dowicil 75 | Fungicide | 193 | .20 | 8.00 |
| Gelvatol 6000 | Adhesive | 162 | 1.00 | 40.00 |
| Gendriv 492S | Water retention aid | 223 | .85 | 34.00 |
| Mica | Anti-cracking agent | 11 | 9.50 | 380.00 |
| Limestone | Filler | 13 | 84.20 | 3368.00 |
| | | | 100.00 | 4000.00 |

WORKING CONSISTENCY Specifications - Refer to Plant Testing Procedure No. 32.

| Maximum | Minimum | Average |
|---|---|---|
| 57 | 53 | 55 |

WORKING PROPERTIES Specifications - Refer to Plant Testing Procedure No. 33
Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR Specifications - White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

* ASBESTOS 7RF 02 MAY BE SUBSTITUTED, USE AT A LOADING OF 2.75% (110 LBS/BATCH)

WNG:elz

May 27, 1975
Supersedes C-972
Dated: 3/7/75

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-972

DESCRIPTION OF PRODUCT - Filler for Ready Mix taping compound C-979.

| -/ FORMULA | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|
| * Asbestos 7RF09 | Bulking agent | 9 | 4.25 | 170.00 |
| Dowicil 75 | Fungicide | 193 | .20 | 8.00 |
| Gelvatol 6000 | Adhesive | 162 | 1.00 | 40.00 |
| Gendriv 492S | Water retention aid | 223 | .85 | 34.00 |
| Mica | Anti-cracking agent | 11 | 9.50 | 380.00 |
| Limestone | Filler | 13 | 84.20 | 3368.00 |
| | | | 100.00 | 4000.00 |

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

| Specifications | Maximum | Minimum | Average |
|---|---|---|---|
| | 57 | 53 | 55 |

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33
Specifications Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR - White
Specifications Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

-/ *Asbestos 7RF-02 may be substituted. Use at a loading of 2.75% (110 lbs/batch).

WNG:elz

-/ denotes change

May 27, 1975
Supersedes C-972
Dated: 3/7/75

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-972

DESCRIPTION OF PRODUCT - Filler for Ready Mix taping compound C-979.

| -/ | FORMULA | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|---|
| * | Asbestos 7RF09 | Bulking agent | 9 | 4.25 | 170.00 |
| | Dowicil 75 | Fungicide | 193 | .20 | 8.00 |
| | Gelvatol 6000 | Adhesive | 162 | 1.00 | 40.00 |
| | Gendriv 492S | Water retention aid | 223 | .85 | 34.00 |
| | Mica | Anti-cracking agent | 11 | 9.50 | 380.00 |
| | Limestone | Filler | 13 | 84.20 | 3368.00 |
| | | | | 100.00 | 4000.00 |

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

| Specifications | Maximum | Minimum | Average |
|---|---|---|---|
| | 57 | 53 | 55 |

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33
Specifications: Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR - White
Specifications: Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

-/ *Asbestos 7RF-02 may be substituted. Use at a loading of 2.75% (110 lbs/batch).

WNG:elz

-/ denotes change

May 21, 1980
Supersedes Formula C-972
Dated: 12/17/79

# CHICAGO, ILLINOIS, PLANT FORMULA
## READY MIX JOINT COMPOUND C-972 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing.

FORMULA

| Raw Material | Function | RM Spec | Percent | Lbs/Batch | |
|---|---|---|---|---|---|
| -/ Proxcel-CRL | Preservative | | .08 | 1.6 | |
| Filler C-971 | Filler | | 94.85 | 1950.4 | |
| DuPont JCM | Adhesive | 185 | 4.98 | 102.4 | (11.5 gal) |
| Nalco 71D-5 | Defoamer | 125 | .09 | 2.0 | |
| * Water | Solvent | | | 981.6 | (118.0 gal) |
| | | | 100.000 | 3038.0 | ** |

* Approximately 52 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

** One batch yields 49 ± 1 five-gallon pail Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS -/ - Blend ingredients in following order:
1) Water/Proxcel CRL
2) JCM
3) Nalco
4) Filler C-971
5) Mix until Ready Mix is smooth - pumping viscosity should be 550 ± 20.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications for Paste — If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender (550 ± 20) — For machine tools, add 7 gallons $H_2O$ (450 ± 20)

pH — 8.0 - 9.0

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.

Specifications — Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

HCF:ps

Continued on Page 2 . . . .

-/ denotes change

August 15, 1980
Supersedes Formula C-972
Dated: 5/21/80

# CHICAGO, ILLINOIS, PLANT FORMULA
## READY MIX JOINT COMPOUND C-972 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing.

FORMULA

| | Raw Material | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|---|
| -/ | Proxcel-CRL | Preservative | | .08 | 2.35 |
| | Filler C-971 | Filler | | 94.85 | 1950.4 |
| | DuPont JCM | Adhesive | 185 | 4.98 | 102.4 (11.5 gal) |
| -/ | MD-76 | Defoamer | 125 | .09 | 2.5 (1/2 pint) |
| | * Water | Solvent | | | 981.6 (118.0 gal) |
| | | | | 100.000 | 3038.0 ** |

* Approximately 52 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

** One batch yields 49 ± 1 five-gallon pail Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:
1) Water/Proxcel CRL
2) JCM
3) Nalco
4) Filler C-971
5) Mix until Ready Mix is smooth - pumping viscosity should be 550 ± 20.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications for Paste: If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender (550 ± 20): For machine tools, add 7 gallons $H_2O$ (450 ± 20)

pH: 8.0 - 9.0

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.

Specifications: Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BGR:ps

Continued on Page 2 . . . .

-/ denotes change

November 6, 1980
Supersedes Formula C-972
Dated: 8/15/80

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-972 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing.

-/ FORMULA

| Raw Material | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|
| Proxcel-CRL | Preservative | | .11 | 2.35 |
| Filler C-971 | Filler | | 95.88 | 1950.4 |
| DuPont JCM | Adhesive | 185 | 4.98 | 102.4 (11.5 gal) |
| MD-76 | Defoamer | 125 | .03 | 0.5 (1/2 pint) |
| * Water | Solvent | | | 982.35 (118.0 gal) |
| | | | 100.000 | 3038.0 ** |

* Approximately 52 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

** One batch yields 49 ± 1 five-gallon pail Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:
1) Water/Proxcel CRL
2) JCM
3) Nalco
4) Filler C-971
5) Mix until Ready Mix is smooth - pumping viscosity should be 550 ± 20.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications for Paste: If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender (550 ± 20): For machine tools, add 7 gallons $H_2O$ (450 ± 20)

pH: 8.0 - 9.0

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.

Specifications: Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BGR:ps

Continued on Page 2 . . . .

-/ denotes change

December 22, 1980
Supersedes Formula C-972
Dated: 11/6/80

# CHICAGO, ILLINOIS, PLANT FORMULA
## READY MIX JOINT COMPOUND C-972 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing.

FORMULA

| Raw Material | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|
| | | | .11 | 2.35 |
| -/ Filler C-971 | Filler | | 94.99 | 1952.75 |
| DuPont JCM | Adhesive | 185 | 4.98 | 102.4 (11.5 gal) |
| MD-76 | Defoamer | 125 | .03 | 0.5 (1/2 pint) |
| * Water | Solvent | | | 982.35 (118.0 gal) |
| | | | 100.000 | 3038.0 ** |

* Approximately 52 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

** One batch yields 49 ± 1 five-gallon pail Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:
1) Water
2) JCM
3) Nalco
4) Filler C-971
5) Mix until Ready Mix is smooth - pumping viscosity should be 550 ± 20.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications for Paste: If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender (550 ± 20): For machine tools, add 7 gallons $H_2O$ (450 ± 20)

pH: 8.0 - 9.0

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.

Specifications: Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BGR:ps

Continued on Page 2 . . . .

-/ denotes change

~~January 16, 1975~~ MARCH 7, 1975
Formula ~~C-970~~ C-972
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-~~970~~ 972

DESCRIPTION OF PRODUCT - Filler for Ready Mix ~~joint~~ TAPING compound C-~~971~~ 979

| FORMULA | Function | RM Spec | Percent | Lbs/Batch |
|---|---|---|---|---|
| Asbestos 7RF09 | Bulking agent | 9 | 4.25 | 170.00 |
| Dowicil 75 | Fungicide | 193 | .20 | 8.00 |
| Gelvatol 6000 | Adhesive | 162 | 1.00 | 40.00 |
| Gendriv 492S | Water retention aid | 223 | ~~.75~~ .85 | ~~30.00~~ 34 |
| Mica | Anti-cracking agent | 11 | 9.50 | 380.00 |
| ~~Asbestos (SG-210)~~ | ~~Bulking agent~~ | -- | ~~1.25~~ | ~~50.00~~ |
| Limestone | Filler | 1364.2 | ~~83.05~~ | ~~3322.00~~ 3362 |
| | | | 100.00 | 4000.00 |

WORKING CONSISTENCY Specifications - Refer to Plant Testing Procedure No. 32.

| Maximum | Minimum | Average |
|---|---|---|
| 57 | 53 | 55 |

WORKING PROPERTIES Specifications - Refer to Plant Testing Procedure No. 33. Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR Specifications - White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-97~~0~~2 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-97~~0~~2.

WNG:jg

**CHICAGO FORMULA #972**
**ASBESTOS CONTAINING PRODUCTS**

SGP 0017529